

# Jiřina Szřkovř

## List of Publications by Year in descending order

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Version: 2024-02-01

246  
papers

5,562  
citations

70961

41  
h-index

123241

61  
g-index

247  
all docs

247  
docs citations

247  
times ranked

5873  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison of phytoremediation capability of selected plant species for given trace elements. <i>Environmental Pollution</i> , 2006, 144, 93-100.	3.7	167
2	Cadmium induces DNA damage in tobacco roots, but no DNA damage, somatic mutations or homologous recombination in tobacco leaves. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2004, 559, 49-57.	0.9	150
3	Phytoextraction of Pb and Cd from a contaminated agricultural soil using different EDTA application regimes: Laboratory versus field scale measures of efficiency. <i>Geoderma</i> , 2008, 144, 446-454.	2.3	138
4	Mutual relationships of biochar and soil pH, CEC, and exchangeable base cations in a model laboratory experiment. <i>Journal of Soils and Sediments</i> , 2019, 19, 2405-2416.	1.5	130
5	The use of maize and poplar in chelant-enhanced phytoextraction of lead from contaminated agricultural soils. <i>Chemosphere</i> , 2007, 67, 640-651.	4.2	122
6	Cadmium and zinc phytoextraction potential of seven clones of <i>Salix</i> spp. planted on heavy metal contaminated soils. <i>Plant, Soil and Environment</i> , 2003, 49, 542-547.	1.0	116
7	Determination of certain micro and macroelements in plant stimulants and their infusions. <i>Food Chemistry</i> , 2008, 111, 520-525.	4.2	109
8	Evaluation of DNA damage and mutagenicity induced by lead in tobacco plants. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008, 652, 186-190.	0.9	98
9	Toxicity and DNA damage in tobacco and potato plants growing on soil polluted with heavy metals. <i>Ecotoxicology and Environmental Safety</i> , 2006, 65, 420-426.	2.9	97
10	Copper contamination of vineyard soils from small wine producers: A case study from the Czech Republic. <i>Geoderma</i> , 2008, 147, 16-22.	2.3	91
11	The effect of liming on cadmium, lead, and zinc uptake reduction by spring wheat grown in contaminated soil. <i>Plant, Soil and Environment</i> , 2006, 52, 16-24.	1.0	82
12	Biochar application to metal-contaminated soil: Evaluating of Cd, Cu, Pb and Zn sorption behavior using single- and multi-element sorption experiment. <i>Plant, Soil and Environment</i> , 2011, 57, 372-380.	1.0	78
13	Removal of As, Cd, Pb, and Zn from contaminated soil by high biomass producing plants. <i>Plant, Soil and Environment</i> , 2006, 52, 413-423.	1.0	75
14	The Rengen Grassland Experiment: relationship between soil and biomass chemical properties, amount of elements applied, and their uptake. <i>Plant and Soil</i> , 2010, 333, 163-179.	1.8	74
15	Comparison of water-soluble and exchangeable forms of Al in acid forest soils. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1788-1795.	1.5	73
16	The effect of arsenic contamination on amino acids metabolism in <i>Spinacia oleracea</i> L.. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 1309-1313.	2.9	72
17	DNA damage in potato plants induced by cadmium, ethyl methanesulphonate and $\hat{1}^3$ -rays. <i>Environmental and Experimental Botany</i> , 2008, 62, 113-119.	2.0	70
18	The use of poplar during a two-year induced phytoextraction of metals from contaminated agricultural soils. <i>Environmental Pollution</i> , 2008, 151, 27-38.	3.7	69

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19	The Use of Water Lettuce ( <i>Pistia Stratiotes</i> ) for Rhizofiltration of a Highly Polluted Solution by Cadmium and Lead. <i>International Journal of Phytoremediation</i> , 2011, 13, 859-872.	1.7	66
20	Horizontal and vertical variability of heavy metals in the soil of a polluted area. <i>Plant, Soil and Environment</i> , 2004, 50, 525-534.	1.0	66
21	The sequential analytical procedure as a tool for evaluation of As, Cd and Zn mobility in soil. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 363, 594-595.	1.5	65
22	Concentration of trace elements in arable soil after long-term application of organic and inorganic fertilizers. <i>Nutrient Cycling in Agroecosystems</i> , 2009, 85, 241-252.	1.1	64
23	Aluminium and other elements in selected herbal tea plant species and their infusions. <i>Food Chemistry</i> , 2013, 139, 728-734.	4.2	63
24	Phytoextraction of Risk Elements by Willow and Poplar Trees. <i>International Journal of Phytoremediation</i> , 2015, 17, 414-421.	1.7	63
25	Trace elements present in airborne particulate matter – Stressors of plant metabolism. <i>Ecotoxicology and Environmental Safety</i> , 2012, 79, 101-107.	2.9	62
26	Selenium uptake, transformation and inter-element interactions by selected wildlife plant species after foliar selenate application. <i>Environmental and Experimental Botany</i> , 2016, 125, 12-19.	2.0	62
27	Czechoslovakian biological certified reference materials and their use in the analytical quality assurance system in a trace element laboratory. <i>Fresenius' Journal of Analytical Chemistry</i> , 1993, 345, 256-260.	1.5	61
28	Classical dry ashing of biological and agricultural materials. Part II. Losses of analytes due to their retention in an insoluble residue. <i>Analisis - European Journal of Analytical Chemistry</i> , 1998, 26, 121-129.	0.4	61
29	As, Cd, Pb and Zn uptake by <i>Salix</i> spp. clones grown in soils enriched by high loads of these elements. <i>Plant, Soil and Environment</i> , 2003, 49, 191-196.	1.0	59
30	Effect of digestate and fly ash applications on soil functional properties and microbial communities. <i>European Journal of Soil Biology</i> , 2015, 71, 1-12.	1.4	55
31	Changes in soil microbial community functionality and structure in a metal-polluted site: The effect of digestate and fly ash applications. <i>Journal of Environmental Management</i> , 2015, 162, 63-73.	3.8	52
32	Distribution of P, K, Ca, Mg, Cd, Cu, Fe, Mn, Pb and Zn in wood and bark age classes of willows and poplars used for phytoextraction on soils contaminated by risk elements. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18801-18813.	2.7	51
33	Total content and speciation of aluminium in tea leaves and tea infusions. <i>Food Chemistry</i> , 2007, 104, 1662-1669.	4.2	50
34	Glutamate kinase as a potential biomarker of heavy metal stress in plants. <i>Ecotoxicology and Environmental Safety</i> , 2008, 70, 223-230.	2.9	50
35	Effects of exogenous nitric oxide on photosynthesis. <i>Photosynthetica</i> , 2013, 51, 483-489.	0.9	50
36	Potential and drawbacks of EDDS-enhanced phytoextraction of copper from contaminated soils. <i>Environmental Pollution</i> , 2010, 158, 2428-2438.	3.7	49

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37	The long-term effect of zinc soil contamination on selected free amino acids playing an important role in plant adaptation to stress and senescence. <i>Ecotoxicology and Environmental Safety</i> , 2014, 100, 166-170.	2.9	49
38	Variation in the uptake of Arsenic, Cadmium, Lead, and Zinc by different species of willows <i>Salix</i> spp. grown in contaminated soils. <i>Open Life Sciences</i> , 2007, 2, 254-275.	0.6	47
39	Retention of copper originating from different fungicides in contrasting soil types. <i>Journal of Hazardous Materials</i> , 2009, 166, 1395-1402.	6.5	47
40	High temperature-produced biochar can be efficient in nitrate loss prevention and carbon sequestration. <i>Geoderma</i> , 2019, 338, 48-55.	2.3	43
41	Mobility of arsenic and its compounds in soil and soil solution: The effect of soil pretreatment and extraction methods. <i>Journal of Hazardous Materials</i> , 2009, 172, 1244-1251.	6.5	41
42	Efficiency of extractants to release As, Cd and Zn from main soil compartments. <i>Analisis - European Journal of Analytical Chemistry</i> , 2000, 28, 808-812.	0.4	41
43	Effects of Endo- and Ectomycorrhizal Fungi on Physiological Parameters and Heavy Metals Accumulation of Two Species from the Family Salicaceae. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 399-410.	1.1	40
44	Wheat and Soil Response to Wood Fly Ash Application in Contaminated Soils. <i>Agronomy Journal</i> , 2014, 106, 995-1002.	0.9	39
45	Mobility assessment and validation of toxic elements in tunnel dust samples – Subway and road using sequential chemical extraction and ICP-OES/GF AAS measurements. <i>Environmental Research</i> , 2006, 101, 287-293.	3.7	38
46	Cadmium tolerance and accumulation in transgenic tobacco plants with a yeast metallothionein combined with a polyhistidine tail. <i>International Biodeterioration and Biodegradation</i> , 2004, 54, 233-237.	1.9	37
47	Changes in cadmium mobility during composting and after soil application. <i>Waste Management</i> , 2009, 29, 2282-2288.	3.7	36
48	Biochar immobilizes cadmium and zinc and improves phytoextraction potential of willow plants on extremely contaminated soil. <i>Plant, Soil and Environment</i> , 2015, 61, 303-308.	1.0	35
49	Differences in soil sulfur fractions due to limitation of atmospheric deposition. <i>Plant, Soil and Environment</i> , 2009, 55, 344-352.	1.0	34
50	The effect of beverage preparation method on aluminium content in coffee infusions. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1480-1485.	1.5	34
51	Interactions of EDDS with Fe- and Al-(hydr)oxides. <i>Chemosphere</i> , 2009, 77, 87-93.	4.2	34
52	Extraradical mycelium of arbuscular mycorrhizal fungi radiating from large plants depresses the growth of nearby seedlings in a nutrient deficient substrate. <i>Mycorrhiza</i> , 2011, 21, 641-650.	1.3	34
53	The influence of soil organic carbon on interactions between microbial parameters and metal concentrations at a long-term contaminated site. <i>Science of the Total Environment</i> , 2015, 502, 218-223.	3.9	34
54	Influence of Parasitism on Trace Element Contents in Tissues of Red Fox ( <i>Vulpes vulpes</i> ) and Its Parasites <i>Mesocestoides</i> spp. (Cestoda) and <i>Toxascaris leonina</i> (Nematoda). <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 58, 469-477.	2.1	32

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55	The evaluation of cadmium, zinc and nickel accumulation ability of transgenic tobacco bearing different transgenes. <i>Plant, Soil and Environment</i> , 2004, 50, 513-517.	1.0	32
56	Phytoextraction of cadmium, copper, zinc and mercury by selected plants. <i>Plant, Soil and Environment</i> , 2009, 55, 295-304.	1.0	32
57	Effect of ozonation on polychlorinated biphenyl degradation and on soil physico-chemical properties. <i>Journal of Hazardous Materials</i> , 2009, 161, 1202-1207.	6.5	31
58	Organic Acid Enhanced Soil Risk Element (Cd, Pb and Zn) Leaching and Secondary Bioconcentration in Water Lettuce ( <i>Pistia Stratiotes</i> L.) in the Rhizofiltration Process. <i>International Journal of Phytoremediation</i> , 2012, 14, 335-349.	1.7	31
59	Dolomite limestone application as a chemical immobilization of metal-contaminated soil. <i>Plant, Soil and Environment</i> , 2011, 57, 173-179.	1.0	30
60	Effects of Sewage Sludge Application on Biomass Production and Concentrations of Cd, Pb and Zn in Shoots of <i>Salix</i> and <i>Populus</i> Clones: Improvement of Phytoremediation Efficiency in Contaminated Soils. <i>Bioenergy Research</i> , 2016, 9, 809-819.	2.2	30
61	Effect of composting on the mobility of arsenic, chromium and nickel contained in kitchen and garden waste. <i>Bioresource Technology</i> , 2012, 126, 444-452.	4.8	29
62	Water Lettuce <i>Pistia stratiotes</i> L. Response to Lead Toxicity. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 1847-1859.	1.1	29
63	Biochar physicochemical parameters as a result of feedstock material and pyrolysis temperature: predictable for the fate of biochar in soil?. <i>Environmental Geochemistry and Health</i> , 2017, 39, 1381-1395.	1.8	29
64	The Rengen Grassland Experiment: soil contamination by trace elements after 65 years of Ca, N, P and K fertiliser application. <i>Nutrient Cycling in Agroecosystems</i> , 2009, 83, 39-50.	1.1	28
65	Comparison of willow and sunflower for uranium phytoextraction induced by citric acid. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010, 285, 279-285.	0.7	28
66	Combination of classical dry ashing with stripping voltammetry in trace element analysis of biological materials: review of literature published after 1978. <i>Talanta</i> , 1996, 43, 521-534.	2.9	27
67	Direct and subsequent effect of compost and poultry manure on the bioavailability of cadmium and copper and their uptake by oat biomass. <i>Plant, Soil and Environment</i> , 2008, 54, 271-278.	1.0	27
68	Chemically Enhanced Phytoextraction of Risk Elements from a Contaminated Agricultural Soil Using <i>Zea Mays</i> and <i>Triticum Aestivum</i> : Performance and Metal Mobilization Over a Three Year Period. <i>International Journal of Phytoremediation</i> , 2012, 14, 754-771.	1.7	27
69	Toxicologically important trace elements and organic compounds investigated in size-fractionated urban particulate matter collected near the Prague highway. <i>Science of the Total Environment</i> , 2012, 437, 127-136.	3.9	27
70	Modification of Nanocrystalline TiO <sub>2</sub> with Phosphonate- and Bis(phosphonate)-Bearing Macrocyclic Complexes: Sorption and Stability Studies. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1981-1989.	1.0	26
71	Cadmium balance in soils under different fertilization managements including sewage sludge application. <i>Plant, Soil and Environment</i> , 2009, 55, 353-361.	1.0	25
72	Can Biochar From Contaminated Biomass Be Applied Into Soil for Remediation Purposes?. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	25

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73	Comparison of mild extraction procedures for determination of arsenic compounds in different parts of pepper plants ( <i>Capsicum annum</i> , L.). <i>Applied Organometallic Chemistry</i> , 2005, 19, 308-314.	1.7	24
74	The effect of potentially toxic elements and sewage sludge on the activity of regulatory enzyme glutamate kinase. <i>Plant, Soil and Environment</i> , 2007, 53, 201-206.	1.0	24
75	The Rengen Grassland experiment: bryophytes biomass and element concentrations after 65 years of fertilizer application. <i>Environmental Monitoring and Assessment</i> , 2010, 166, 653-662.	1.3	24
76	The Variability of Arsenic and Other Risk Element Uptake by Individual Plant Species Growing on Contaminated Soil. <i>Soil and Sediment Contamination</i> , 2010, 19, 617-634.	1.1	22
77	Distribution of soil fractions of zinc and its uptake by potatoes, maize, wheat and barley after soil amendment by sludge and inorganic Zn salt. <i>Plant, Soil and Environment</i> , 2003, 49, 203-212.	1.0	22
78	Soil chemical properties affect the concentration of elements (N, P, K, Ca, Mg, As, Cd, Cr, Cu, Fe, Mn, Ni,) <i>Tj ETQq0 0 0 rgBT /Overlock 10</i> 231-245.	1.8	22
79	The role of titanium in biomass production and its influence on essential elements' contents in field growing crops. <i>Plant, Soil and Environment</i> , 2005, 51, 19-25.	1.0	21
80	Aluminium Uptake and Translocation in Al Hyperaccumulator <i>Rumex obtusifolius</i> Is Affected by Low-Molecular-Weight Organic Acids Content and Soil pH. <i>PLoS ONE</i> , 2015, 10, e0123351.	1.1	21
81	Methodological Aspects of In Vitro Assessment of Bio-accessible Risk Element Pool in Urban Particulate Matter. <i>Biological Trace Element Research</i> , 2014, 161, 216-222.	1.9	20
82	Soil-to-plant transfer of native selenium for wild vegetation cover at selected locations of the Czech Republic. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 358.	1.3	20
83	Nutrient Dynamics in Soil Solution and Wheat Response after Biomass Ash Amendments. <i>Agronomy Journal</i> , 2016, 108, 2222-2234.	0.9	20
84	Mobility of mercury in soil as affected by soil physicochemical properties. <i>Journal of Soils and Sediments</i> , 2016, 16, 2234-2241.	1.5	20
85	Sorption Behavior of Cd, Cu, Pb, and Zn and Their Interactions in Phytoremediated Soil. <i>International Journal of Phytoremediation</i> , 2012, 14, 806-819.	1.7	18
86	The response of broccoli ( <i>Brassica oleracea</i> convar. <i>italica</i> ) varieties on foliar application of selenium: uptake, translocation, and speciation. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015, 32, 150928143022009.	1.1	18
87	Comparison of mild extraction procedures for determination of plant-available arsenic compounds in soil. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 142-148.	1.9	17
88	<sup>1</sup> H NMR relaxivity of aqueous suspensions of titanium dioxide nanoparticles coated with a gadolinium(III) chelate of a DOTA-monoamide with a phenylphosphonate pendant arm. <i>Journal of Materials Chemistry</i> , 2009, 19, 1494.	6.7	17
89	The long-term variation of Cd and Zn hyperaccumulation by <i>Noccaea</i> spp and <i>Arabidopsis halleri</i> plants in both pot and field conditions. <i>International Journal of Phytoremediation</i> , 2016, 18, 110-115.	1.7	17
90	Selected persistent organic pollutants (POPs) in the rhizosphere of sewage sludge-treated soil: implications for the biodegradability of POPs. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 994-1009.	1.3	17

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91	Microbial Communities in Soils and Endosphere of <i>Solanum tuberosum</i> L. and their Response to Long-Term Fertilization. <i>Microorganisms</i> , 2020, 8, 1377.	1.6	17
92	Pyrolysis of biosolids as an effective tool to reduce the uptake of pharmaceuticals by plants. <i>Journal of Hazardous Materials</i> , 2021, 405, 124278.	6.5	17
93	Effects of co-cropping on bioaccumulation of trace elements in <i>Thlaspi caerulescens</i> and <i>Salix dasyclados</i> . <i>Plant, Soil and Environment</i> , 2009, 55, 461-467.	1.0	16
94	Differences in the mobility of Cd, Cu, Pb and Zn during composting of two types of household bio-waste collected in four seasons. <i>Bioresource Technology</i> , 2014, 168, 204-213.	4.8	16
95	An assessment of the risk of element contamination of urban and industrial areas using <i>Taraxacum sect. Ruderalia</i> as a bioindicator. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 150.	1.3	16
96	Effect of Dry Olive Residue-Based Biochar and Arbuscular Mycorrhizal Fungi Inoculation on the Nutrient Status and Trace Element Contents in Wheat Grown in the As-, Cd-, Pb-, and Zn-Contaminated Soils. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1067-1079.	1.7	16
97	The effect of soil properties on cadmium bonds to organic substances of spinach biomass. <i>Applied Organometallic Chemistry</i> , 2002, 16, 187-191.	1.7	15
98	Passive diffusion assessment of cadmium and lead accumulation by plants in hydroponic systems. <i>Chemical Speciation and Bioavailability</i> , 2009, 21, 111-120.	2.0	15
99	The effect of intensive traffic on soil and vegetation risk element contents as affected by the distance from a highway. <i>Plant, Soil and Environment</i> , 2012, 58, 379-384.	1.0	15
100	Variability of total and mobile element contents in ash derived from biomass combustion. <i>Chemical Papers</i> , 2013, 67, .	1.0	15
101	Organic and inorganic amendment application on mercury-polluted soils: effects on soil chemical and biochemical properties. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14254-14268.	2.7	15
102	Arsenic compounds occurring in ruderal plant communities growing in arsenic contaminated soils. <i>Environmental and Experimental Botany</i> , 2016, 123, 108-115.	2.0	15
103	Factors influencing uptake of contaminated particulate matter in leafy vegetables. <i>Open Life Sciences</i> , 2012, 7, 519-530.	0.6	14
104	Bioavailability of arsenic, cadmium, iron and zinc in leafy vegetables amended with urban particulate matter suspension. <i>Journal of the Science of Food and Agriculture</i> , 2013, 93, 1378-1384.	1.7	14
105	Is the tapeworm able to affect tissue Pb-concentrations in white rat?. <i>Parasitology</i> , 2014, 141, 826-836.	0.7	14
106	Influence of laser ablation parameters on trueness of imaging. <i>Applied Surface Science</i> , 2015, 351, 296-302.	3.1	14
107	A profile of arsenic species in different vegetables growing in arsenic-contaminated soils. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 918-927.	1.3	14
108	Co-application of wood ash and <i>Paenibacillus mucilaginosus</i> to soil: the effect on maize nutritional status, root exudation and composition of soil solution. <i>Plant and Soil</i> , 2018, 428, 105-122.	1.8	14

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109	Risk element accumulation in Coleoptera and Hymenoptera (Formicidae) living in an extremely contaminated area—a preliminary study. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 432.	1.3	14
110	Rapeseed ( <i>Brassica napus</i> L.) biofortification with selenium: How do sulphate and phosphate influence the efficiency of selenate application into soil?. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 2059-2072.	1.3	14
111	Agent Orange Footprint Still Visible in Rural Areas of Central Vietnam. <i>Journal of Environmental and Public Health</i> , 2014, 2014, 1-10.	0.4	13
112	Bioaccessibility versus Bioavailability of Essential (Cu, Fe, Mn, and Zn) and Toxic (Pb) Elements from Phyto Hyperaccumulator <i>Pistia stratiotes</i> : Potential Risk of Dietary Intake. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 2344-2354.	2.4	13
113	Efficiency of foliar selenium application on oilseed rape ( <i>Brassica napus</i> L.) as influenced by rainfall and soil characteristics. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 1240-1254.	1.3	13
114	Content of Inorganic and Organic Pollutants and Their Mobility in Bottom Sediment from the Orłák Water Reservoir (Vltava River, Czech Republic). <i>Soil and Sediment Contamination</i> , 2017, 26, 584-604.	1.1	13
115	Response of Pepper Plants ( <i>Capsicum annum</i> L.) on Soil Amendment by Inorganic and Organic Compounds of Arsenic. <i>Archives of Environmental Contamination and Toxicology</i> , 2007, 52, 38-46.	2.1	12
116	Experimental studies on the cadmium accumulation in the cestode <i>Moniezia expansa</i> (Cestoda: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	0.5	12
117	Translocation of mercury from substrate to fruit bodies of <i>Panellus stipticus</i> , <i>Psilocybe cubensis</i> , <i>Schizophyllum commune</i> and <i>Stropharia rugosoannulata</i> on oat flakes. <i>Ecotoxicology and Environmental Safety</i> , 2016, 125, 184-189.	2.9	12
118	Implications of mycoremediated dry olive residue application and arbuscular mycorrhizal fungi inoculation on the microbial community composition and functionality in a metal-polluted soil. <i>Journal of Environmental Management</i> , 2019, 247, 756-765.	3.8	12
119	Improved phosphorus fertilisation efficiency of wood ash by fungal strains <i>Penicillium</i> sp. PK112 and <i>Trichoderma harzianum</i> OMC08 on acidic soil. <i>Applied Soil Ecology</i> , 2020, 147, 103360.	2.1	12
120	The Role of Biochar and Soil Properties in Determining the Available Content of Al, Cu, Zn, Mn, and Cd in Soil. <i>Agronomy</i> , 2020, 10, 885.	1.3	12
121	A comparison of sequential extraction procedures for fractionation of arsenic, cadmium, lead, and zinc in soil. <i>Open Chemistry</i> , 2005, 3, 830-851.	1.0	11
122	The response of tomato ( <i>Lycopersicon esculentum</i> ) to different concentrations of inorganic and organic compounds of arsenic. <i>Biologia (Poland)</i> , 2006, 61, 91-96.	0.8	11
123	The use of differential pulse anodic stripping voltammetry and diffusive gradient in thin films for heavy metals speciation in soil solution. <i>Open Chemistry</i> , 2008, 6, 71-79.	1.0	11
124	Experimental studies on the lead accumulation in the cestode <i>Moniezia expansa</i> (Cestoda: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 T	1.1	11
125	Organic salts enhanced soil risk elements leaching and bioaccumulation in <i>Pistia stratiotes</i> . <i>Plant, Soil and Environment</i> , 2011, 57, 166-172.	1.0	11
126	Effect of quick lime and superphosphate additives on emergence and survival of <i>Rumex obtusifolius</i> seedlings in acid and alkaline soils contaminated by As, Cd, Pb, and Zn. <i>Plant, Soil and Environment</i> , 2012, 58, 561-667.	1.0	11



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127	Affinity of Selected Elements to Individual Fractions of Soil Organic Matter. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	11
128	The effectiveness of various treatments in changing the nutrient status and bioavailability of risk elements in multi-element contaminated soil. <i>Environmental Science and Pollution Research</i> , 2015, 22, 14325-14336.	2.7	11
129	Risk element immobilization/stabilization potential of fungal-transformed dry olive residue and arbuscular mycorrhizal fungi application in contaminated soils. <i>Journal of Environmental Management</i> , 2017, 201, 110-119.	3.8	11
130	Nutrient status of soil and winter wheat ( <i>Triticum aestivum</i> L.) in response to long-term farmyard manure application under different climatic and soil physicochemical conditions in the Czech Republic. <i>Archives of Agronomy and Soil Science</i> , 2018, 64, 70-83.	1.3	11
131	Exploitation of Fast Growing Trees in Metal Remediation. , 2006, , 83-102.		10
132	The application of diffusive gradient technique (DGT) for assessment of changes in Cd, Pb, and Zn mobility in rhizosphere. <i>Plant, Soil and Environment</i> , 2005, 51, 532-538.	1.0	10
133	The influence of copper on tebuconazole sorption onto soils, humic substances, and ferrihydrite. <i>Environmental Science and Pollution Research</i> , 2013, 20, 4205-4215.	2.7	10
134	How the tapeworm <i>Hymenolepis diminuta</i> affects zinc and cadmium accumulation in a host fed a hyperaccumulating plant ( <i>Arabidopsis halleri</i> ). <i>Environmental Science and Pollution Research</i> , 2016, 23, 19126-19133.	2.7	10
135	Mobility and plant availability of risk elements in soil after long-term application of farmyard manure. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23561-23572.	2.7	10
136	Effects of the soil microbial community on mobile proportions and speciation of mercury (Hg) in contaminated soil. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 364-370.	0.9	10
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